

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Previously presented) Motor-driven manual wrench having a driving motor and a head having an output tool shaft for coupling to a driving tool, said wrench comprising:

a ratchet drive located in the head and a first torque limiter coupled to the ratchet drive and a second torque limiter coupled to the drive motor such that the wrench forms a manually operable torque wrench whose transmittable torque is determined by the first torque limiter.

2. (Previously presented) The motor-driven manual wrench according to claim 1, wherein the head is removably coupled to the drive motor.

3. (Previously presented) The motor-driven manual wrench according to claim 1, further comprising an adapter which is connected to a drive shaft of the head and to an output shaft of the motor.

4. (Previously presented) The motor-driven manual wrench according to claim 1, wherein the head is designed as an angle head having said output tool shaft offset relative to a drive shaft of the head.

5. (Previously presented) The motor-driven manual wrench according to

claim 1, wherein the first torque limiter is designed to be adjustable such that the transmittable tightening torque is adjustable to specified values.

6. (Previously presented) The motor-driven manual wrench according to claim 1, wherein the first torque limiter ~~has~~ comprises an articulated joint ~~with in which~~ an articulated body ~~held is positioned~~ between a first support and a second support,

said ~~first~~ second support being pivotably mounted for rotation around a pivot axis located at a distance from the articulated body, and said second first support being positioned to rotate the second support body, whereby a limitable torque is applied to the output tool shaft ~~enabling an articulating motion between the first support and the articulated body, said first support having a pivot axis coinciding with an axis of a shaft whose transmittable torque is limited by the torque limiter.~~

7. (Previously presented) The motor-driven manual wrench according to claim 1, further comprising a visual display which is activatable when a specified tightening torque is obtained.

8. (Previously presented) The motor-driven manual wrench according to claim 7, wherein the display is mechanically activatable

9. (Previously presented) The motor-driven manual wrench according to claim 1, further comprising an electrical sensor which generates a signal when a specified tightening torque is obtained.

10. (Previously presented) The motor-driven manual wrench according to claim 9, further comprising an electronic circuit which is effectively connected to the sensor, the circuit activating at least one of an acoustic signal and a visual display when the predetermined number of driving operations implemented with a specific tightening torque is obtained.

11. (Previously presented) The motor-driven manual wrench according to claim 9, wherein an electronic circuit activates at least one of an acoustic signal and a visual display when a signal is received from the sensor.

12. (Previously presented) The motor-driven manual wrench according to claim 8, wherein the display is located at the head.

13. (Previously presented) The motor-driven manual wrench according to claim 1, wherein the wrench is configured as an elongate rod-type wrench.

14. (Currently amended) The motor-driven manual wrench according to claim 1, wherein the head further comprises a flat output element coupled to the output tool shaft, such that the output tool axis does not coincide with an axis of the element to be driven.

15. (Previously presented) The motor-driven manual wrench according to claim 1, further comprising a wireless power supply for the motor.

16. (Previously presented) The motor-driven manual wrench according to

claim 1, further comprising a tubular housing accommodating the motor and an output shaft of the motor, said housing is designed with high bending strength, which bending strength during manipulation of the wrench allows for the transmission of considerably higher tightening torques to the output tool shaft than from the motor drive, with the rod-shaped housing having a grip area for manual actuation of the wrench.

17. (Previously presented) The motor-driven manual wrench according to claim 16, wherein the housing is formed of metal.

18. (Previously presented) The motor-driven manual wrench according to claim 17, wherein the metal is light metal.

19. (New) The motor-driven manual wrench according to claim 6, wherein said first and second supports are structured and arranged for movement relative to each other when the torque transmitted to the output tool shaft exceeds a limit of the limitable torque.

20. (New) The motor-driven manual wrench according to claim 19, wherein the relative movement between body said first and second supports is an articulating motion occurring at said articulated body.

21. (New) A torque wrench comprising:
a ratchet drive;
a motor drive; and

a shaft arranged to be driven by said ratchet drive and said motor drive.

22. (New) The torque wrench according to claim 21, further comprising a first torque limiter coupled to said ratchet drive and a second torque limiter coupled to said motor drive, wherein a torque limit of said first torque limiter is set to be greater than a torque limit of said second torque limiter.